

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A mobile communication system including a radio network controller controlling a base station, wherein

the radio network controller comprises means for losslessly transferring last-received packet data from a handover source base station to a handover destination base station when handover between base stations occurs due to a move of a mobile station in the course of high-speed packet ~~communicationn~~ communication by an HSDPA (High Speed Downlink Packet Access) system between the base station and the mobile station.

2. (currently amended) The mobile communication system according to claim 1, wherein the means for transferring packet data transfers data ~~from~~ last-received at the handover source base station to the handover destination base station by routing using an IP (Internet Protocol) address.

3. (original) The mobile communication system according to claim 2, wherein the means for transferring packet data informs the handover source base station of an IP address and UDP (User Datagram Protocol) port number of the handover destination base station.

Claims 2-3, 8-9, and 14-15 were rejected as unpatentable over KEKKI et al. in view of MILTON et al. 6,721,333. Claims 6, 12, and 18 were rejected as unpatentable over KEKKI et al. in view of YI et al. 2003/0128705 (the Official Action erroneously refers to claims 3, 9, and 15). Claims 5, 11, and 17 were rejected as unpatentable over KEKKI et al. in view of PUDAS et al. 2002/0131416. The further references do not disclose or suggest loss-lessly transferring the last-received packet data as claimed and thus do not make up the shortcomings of KEKKI et al. noted above. Reconsideration and withdrawal of the rejections are respectfully requested.

The new claims are allowable because the references do not disclose or suggest converting an address contained in the packet data last received at the handover source base station as in claim 20, or transferring the data in the queue to the handover destination base station as in claim 21.

In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

Please charge the fee of \$50 for the extra claim of any type added herewith, to Deposit Account No. 25-0120.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any

4. (currently amended) The mobile communication system according to claim 1, wherein the means for transferring packet data establishes an AAL2 [ATM (Asynchronous Transfer Mode) Adaptation Layer type 2] connection between the handover source base station and the handover destination base station thereby to transfer data ~~from~~ last received at the handover source base station to the handover destination base station.

5. (original) The mobile communication system according to claim 4, wherein the means for transferring packet data informs the handover source base station of an AAL2 endpoint address of the handover destination base station.

6. (original) The mobile communication system according to claim 1, wherein a sequence number is added to an HS-DSCH (High Speed-Downlink Shared Channel) Frame Protocol so that the handover destination base station controls an order of transferring downlink high-speed packet data when the handover between base stations occurs.

7. (currently amended) A radio network controller controlling a base station comprising:

means for loss-lessly transferring last-received packet data from a handover source base station to a handover destination base station when handover between base stations occurs due to a move of a mobile station in the course of high-speed packet communication by an HSDPA (High Speed Downlink

Packet Access) system between the base station and the mobile station.

8. (currently amended) The radio network controller according to claim 7, wherein the means for transferring packet data transfers data from last received at the handover source base station to the handover destination base station by routing using an IP (Internet Protocol) address.

9. (original) The radio network controller according to claim 8, wherein the means for transferring packet data informs the handover source base station of an IP address and UDP (User Datagram Protocol) port number of the handover destination base station.

10. (currently amended) The radio network controller according to claim 7, wherein the means for transferring packet data establishes an AAL2 [ATM (Asynchronous Transfer Mode) Adaptation Layer type 2] connection between the handover source base station and the handover destination base station thereby to transfer data from last received at the handover source base station to the handover destination base station.

11. (original) The radio network controller according to claim 10, wherein the means for transferring packet data informs the handover source base station of an AAL2 endpoint address of the handover destination base station.

12. (original) The radio network controller according to claim 7, wherein a sequence number is added to an HS-DSCH

(High Speed-Downlink Shared Channel) Frame Protocol so that the handover destination base station controls an order of transferring downlink high-speed packet data when the handover between base stations occurs.

13. (currently amended) A method of transferring data for a mobile communication system including a radio network controller controlling a base station, comprising:

a step of loss-lessly transferring last-received packet data from a handover source base station to a handover destination base station when handover between base stations occurs due to a move of a mobile station in the course of high-speed packet communication by an HSDPA (High Speed Downlink Packet Access) system between the base station and the mobile station, the step being executed by the radio network controller.

14. (currently amended) The method according to claim 13, wherein the step of transferring packet data includes transferring data from last received at the handover source base station to the handover destination base station by routing using an IP (Internet Protocol) address.

15. (original) The method according to claim 14, wherein the step of transferring packet data includes informing the handover source base station of an IP address and UDP (User Datagram Protocol) port number of the handover destination base station.

16. (currently amended) The method according to claim 13, wherein the step of transferring packet data includes establishing an AAL2 [ATM (Asynchronous Transfer Mode) Adaptation Layer type 2] connection between the handover source base station and the handover destination base station thereby to transfer data ~~from last received at~~ the handover source base station to the handover destination base station.

17. (original) The method according to claim 16, wherein the step of transferring packet data includes informing the handover source base station of an AAL2 endpoint address of the handover destination base station.

18. (original) The method according to claim 13, wherein a sequence number is added to an HS-DSCH (High Speed-Downlink Shared Channel) Frame Protocol so that the handover destination base station controls an order of transferring downlink high-speed packet data when the handover between base stations occurs.

19. (currently amended) A program ~~of~~ embodied in a computer-readable medium that carries out a method of transferring data for a mobile communication system including a radio network controller controlling a base station, wherein the program causes a computer to execute a step of:

loss-lessly transferring last-received packet data from a handover source base station to a handover destination base station when handover between base stations occurs due to a move

of a mobile station in the course of high-speed packet communication by an HSDPA (High Speed Downlink Packet Access) system between the base station and the mobile station.

20. (new) The radio network controller according to claim 7, wherein the means for transferring packet data converts an address contained in the packet data last received at the handover source base station from an address of the handover source base station to an address of the handover destination base station.

21. (new) The method according to claim 13, further comprising the steps of storing the last-received packet data in a queue in the handover source base station and wherein the step of transferring the packet data includes transferring the data in the queue to the handover destination base station.